

WHAT IS CLAIMED IS:

1. A method of producing inspection data for inspecting a parts-mounted board by image processing, characterized in that an inspection data corresponding to each part on a board constituting an object of inspection is read from a part library produced in advance, and the process for setting the inspection data at the mounting position of said part is executed, after which an image area corresponding to each land is detected on an image picked up from a model of the board constituting said object of inspection, and based on this inspection result, the set data of the inspection window included in said inspection data is corrected.

2. An inspection data producing method according to claim 1,

characterized in that in the process of detecting the image area corresponding to said land, the process is executed for retrieving the position of the land edges with reference to a solder inspection window based on the set data before correction on the image of said model.

3. An inspection data producing method according to claim 1,

characterized in that in accordance with the

correction of the set data of said inspection window,  
an inspection reference data corresponding to the  
corrected inspection window is corrected.

4. An inspection data producing method according  
to any one of claims 1 to 3,

characterized in that using the corrected  
inspection data for a predetermined part on said board,  
the inspection data for the parts of the same type as  
said part is corrected.

5. An inspection data producing method according  
to any one of claims 1 to 3,

characterized in that the inspection data shared  
by the parts is produced using the inspection data  
corrected for the same type of parts on said board, and  
the inspection data for each part is rewritten into  
said common inspection data.

6. An inspection data producing method according  
to any one of claims 1 to 3,

characterized in that the process for rewriting  
said parts library or the process for producing a new  
parts library is executed for a predetermined part  
using the corrected inspection data.

7. A board inspection apparatus comprising:

image input means for inputting an image picked up  
of a board;

data file producing means for producing an inspection data file required for inspection of a board to be inspected, by executing the process for reading the inspection data corresponding to each part from a parts library produced in advance and setting said inspection data on the mounting position of said part;

land inspection means for receiving an input model image of a corresponding board after complete production of said inspection data file and detecting an image area corresponding to the land on said image;

correcting means for correcting the set data of an inspection window in accordance with said detected image area; and

registration means for registering in a memory the inspection data file including the set data after correction.